**Contact Information**

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**Manuscript Information (if applicable)**

Title:

Physiological adaptation to high irradiance in duckweeds depends on light habitat niche and is ecotype and species-specific.

Journal:

Biorxiv / Journal of experimental botany

Authors:

Kellie E. Smith, Laura Cowan, Beth Taylor, Lorna McAusland, Matthew Heatley, Levi Yant, Erik H. Murchie

**Species Identification Information**

Name Of Species:

Lemna minor

Morphological Classification (if applicable):

Late cultivation in wild (Summer), yellow coloration with high frond number per clone.

Molecular Classification:

atpF-atpH barcode:

psbK-psbI barcode:

AFLP-Lemna Genotype:

AFLP-Wolffia Genotype:

Other Sequence:

Short read sequence under project PRJNA1026139

**Species Collection And Cultivation Information**

Date:

23/07/2020

Location:

(Provide information on site of collection. Include country, state/province, and city/town. Please be as specific as possible.)

Shallow overflow lake, connecting a dam to a stream, Eldwick hall, Bradford. United Kingdom. 53.8667097, -1.8154686

Cultivation Information:

(Provide information on cultivation of clone since collection and how it is maintained. Mention if any genetic modifications or any other treatments have been performed on clone that may affect its natural physiology.)

Maintained in sterile N medium in low light intensity cabinets. Now maintained in falcon tube at natural day lengths with limited nutrients, due to lack of cultivation facilities.

**To which Duckweed collection are you able to submit your clone?**

(One of the goals of the RDSC is to have its registered clones available to the community to promote research and applications.)

X RDSC

X University Of Jena